

Single EO Listing for Device Type: *Turbocharger System/ Turbocharger Modification*

Air Resources Board

Last Updated: 1-31-1998

EO	Manufacturer Name <i>Mfrgr Device Name</i>	Date Exe	Mfgr Part No	Model Specification	Modification Allowed/ Remarks
D-89	Roto-Master, Inc. <i>Roto-Master Turbocharger Kit</i>	04/24/1979	-	1975 -1976 Mercedes-Benz 240D	Adjustment to fuel delivery: (1) 1 turn for manual (2) 1 1/2 turn for automatic
D-90	RV Turbo, Inc. <i>RV Turbocharger System (Rayjay)</i>	09/20/1979	440-1	1979 and older HD vehicles with Chrysler 440 CID engines and M-400 or M-500 chassis	Kit includes turbocharger, exhaust manifold, water injection system, modified distributor, crossover pipe, and replacement muffler. Install 0.1 inch (primary) and 0.148 inch (secondary) jets on carburetor. Ignition timing set to 12-14 degrees before top dead center.
D-97	BAE <i>Dodge 440 Motorhome System</i>	05/05/1980	9-0000	1979 and older HD vehicles with Chrysler 440 CID engine	Kit includes modified original carburetor, modified distributor and water injection system. Ignition timing is advanced to 12-14 degrees before top dead center.
D-97-1	BAE <i>BAE Turbocharger Kit</i>	10/03/1980	28-0000C	1980 VW gasoline powered Rabbit, Scirocco, and Jetta with manual transmission	Install water injector
D-97-7	BAE <i>Turbocharger Kit</i>	10/17/1981	3-0000W1	1980-1981 BMW 633i and 733i with a 195.9 CID 6 cylinder engine	Includes a fuel enrichment control module and delay valve on vacuum advance
D-97-16	BAE Turbosystems <i>Turbocharger Kit</i>	01/24/1983	3-0012	1982-1983 BMW 633i and 733i 1983 BMW 533i models with 195.9 CID6 cylinder engines	Includes a fuel enrichment control module and delay valve on vacuum advance
D-97-17	BAE Turbosystems <i>Turbocharger Kit</i>	02/07/1983	2-0000-1	1980-1983 BMW 320i with 4 cylinder engines	Disconnect and plug vacuum advance at throttle body.

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D-97-18	BAE Turbosystems <i>Turbocharger Kit</i>	05/20/1983	32-0000-1	1981-1983 VW Rabbit, Dasher, Jetta, and P/U powered by a 97 CID 4 cylinder diesel engine	
D-97-19	BAE Turbosystems <i>Turbocharger Kit</i>	05/20/1983	28-0000-3	1981-1983 VW Rabbit, Dasher, Jetta P/U and Audi 4000 powered by a 105 CID 4 cylinder engine	Install delay valve on vacuum retard mechanism of distributor
D-97-20	BAE Turbosystems <i>Turbocharger Kit</i>	07/29/1983	60-0002/4 HD	1983 GMC HD vehicles powered by a 6.2L diesel engine	Connect EGR tube into exhaust housing
D-97-21	BAE Turbosystems <i>Turbocharger Kit</i>	08/09/1983	T04B M2	1981-1983 Airstream motorhome powered by a California certified Isuzu Motors, LTD 6 cylinder heavy-duty diesel engine	
D-99	Turbonetics, Inc. <i>Turboflo 360</i>	02/29/1980	-	1979 and older vehicles powered by a Chrysler HD 360-3 CID engine	AC housing is relocated, OE vacuum advance is replaced with dual diaphragm type, vacuum signal to distributor is changed from ported to ported/manifold vacuums with aid of tee
D-99-1	Turbonetics, Inc. <i>Turbotronic Turbocharger System</i>	11/19/1986	454 TCI-HD	1987 and older Chevrolet/GMC 454 CID gasoline engine	The carburetor bowl vent hose is disconnected from carbon canister and port on the carbon canister plugged, air cleaner and heated air intake replaced with the Aircensor air cleaner, vacuum hose routing changed, automatic choke and carburetor is removed, and exhaust system may be changed to 3 inch diameter. Carburetor replaced with air sensors fuel injection system.
D-99-2	Turbonetics, Inc. <i>Turbocharger system</i>	12/27/1991	-	1986-1987 model-year Buick Regal Grand National/T-Type and the Pontiac Turbo Trans Am with 3.8L V-6 turbocharged, intercooled, and fuel injected engines	Relocate PCV breather connection on passenger-side valve cover to a self-contained breather assembly installed in place of the original valve cover connecting line.
D-99-3	Turbonetics, Inc. <i>Cheetah Turbocharger</i>	03/04/1992	-	1986-1987 Buick Regal or 1989 Pontiac Turbo TransAm with Grand National/T-Type 3.8L V-6 Turbocharged, intercooled fuel Injected engines	Installation of hose adaptor for stock air mass sensor and relocation of PCV valve
D-112-1	Turbo International <i>Turbocharger Kit</i>	02/05/1982	301-E	1982 and older Chevrolet vehicles powered by a 305 or 350 CID , V-8, gasoline engine and equipped with automatic transmission	Install water injection system

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D-112-2	Turbo International <i>Turbocharger Kit</i>	07/28/1983	4500	1978-1983 GM heavy-duty vehicles with a gross vehicles weight (GVW) over 8,500 pounds and powered by a 454 CID engine. 1977 and older GM heavy-duty vehicles with a GVW over 6,000 pounds and powered by a 4564 CID engine. 1978-1979 medium duty GM vehicles with a GVW between 6,001 and 8,500 pounds and powered by a 454 CID engines.	Replace OEM metering rods with P/N 52P & AX, install water injection and EGR P/N PF7041427
D-114-4	Martin Turbo Engr., Inc. <i>Turbocharger Kit</i>	05/23/1985	301 E10	1982 and older GM 350 CID carbureted engines 1985 and older GM passenger cars with 305 CID carbureted engines	Replace secondary metering rods with P/N CJ, install water injection
D-135	Diesel Research & Development <i>Turbocharger Kit</i>	08/11/1983	4B2	1983 and older Mercedes-Benz 240D vehicles with a 4 cylinder diesel engine	
D-140-10	Spearco Performance Products, <i>Turbocharger Kit</i>	12/31/1985	-	1983-1986 Ford vehicles powered by a 6.9L International Harvester heavy-duty diesel engine	
D-140-14	Spearco Performance Products, <i>Turbocharger Kit</i>	12/20/1985	9898	1982 Toyota Supra	
	Spearco Performance Products, <i>Turbocharger Kit</i>	12/20/1985	9899	1983 Toyota Supra	
	Spearco Performance Products, <i>Turbocharger Kit</i>	12/20/1985	9900	1983 Toyota Cressida	
	Spearco Performance Products, <i>Turbocharger Kit</i>	12/20/1985	9909	1982 -1984 Toyota Supra (intercooled)	
	Spearco Performance Products, <i>Turbocharger Kit</i>	12/20/1985	9909-A	1985 Toyota Supra and Cressida (intercooled)	
	Spearco Performance Products, <i>Turbocharger Kit</i>	12/20/1985	9909-B	1986 Toyota Supra and Cressida (intercooled)	
	Spearco Performance Products, <i>Turbocharger Kit</i>	12/20/1985	9910	1983 -1984 Toyota Cressida (intercooled)	

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D-140-21	Spearco Performance Products, <i>Turbocharger Kit</i>	09/18/1987	-	1987 and older Toyota with a 2.4 L fuel injected 4 cylinder engines	Includes fuel enrichment device and an electronic spark retard module
D-140-26	Spearco Performance Products, <i>375 HP Twin Turbo System</i>	09/15/1992	-	1986-1992 Ford Mustang with 5.0L V8 gasoline engine	Relocation of air injection hoses, retarding ignition timing to 5 degrees BTDC, and installation of a one-way valve between the PCV valve and inlet manifold
D-140-27	Spearco Performance Products, <i>450 HP Twin Turbo System</i>	02/08/1993	-	1990 -1993 Ford Mustang with 5.0L V8 gasoline engine	Relocation of air injection hoses, retarding ignition timing to 5 degrees BTDC, and installation of a one-way valve between the PCV valve and inlet manifold
D-142-1	Cummins Engine Co., Inc. <i>Turbocharger</i>	12/19/1983	3029513 3029514 3029515	1975-1979 Cummins heavy-duty 092, 092A 093E engines. See E.O. for specific models.	
D-155	Legend Turbo, Inc. <i>Turbocharger System</i>	04/05/1985	VW-34	1984-1985 VW Jetta, Rabbit, and Scirocco powered by a 1.8L fuel injected engine	Static ignition timing is set to 3 degrees BTDC, add check valve to PCV
D-161-14	Gale Banks Engineering <i>Turbocharger Kit</i>	08/09/1989	6.9F	1983-1987 Ford heavy-duty vehicles powered by a Navistar intl. 6.9L diesel heavy-duty engine 1988-1990 Ford heavy-duty vehicles equipped with a Navistar intl. 7.3L diesel heavy-duty engine	Replace air cleaner assembly. New 3 inch muffler and exhaust pipe
D-161-20	Gale Banks Engineering <i>Smoke Reduction System</i>	07/09/1991	V3LM-403	1982-1991 Detroit Diesel 8.2L heavy-duty diesel engines	
D-161-29	Gale Banks Engineering <i>Wastegate Turbo Upgrade</i>	10/26/1992	-	1989-1992 Cummins 6BT 5.9L heavy-duty diesel engine Late 1992-1993 Cummins 6BTA 5.9L engine	
D-161-30	Gale Banks Engineering <i>Turbocharger System 6.9F</i>	10/06/1992	6.9F	1988-1993 Ford vehicles powered with 7.3 L Navistar intl. heavy-duty diesel engine	A new 3" low restriction muffler is added. Fuel setting is adjusted by turning the fuel pump screw 60 degrees or 1/6 turn clockwise for 1992-93 vehicles, and 90 degrees or 1/4 turn for 1991 and older vehicles.
D-161-31	Gale Banks Engineering <i>Turbocharger System</i>	10/06/1992	6.2G	1982-1993 Chevrolet/GMC heavy-duty vehicles powered by a 6.2L diesel engine	Replace air cleaner assembly. New 3 inch exhaust pipe

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D-161-36	Gale Banks Engineering <i>Sidewinder Turbo</i>	03/04/1993	S73, S73W	1983-1993 Ford trucks equipped with 6.9L or 7.3 L Navistar intl. heavy-duty diesel engines	Turn fuel injection pump adjustment screw 60 degrees (1/6 turn) clockwise and the relocate anti-depression valve.
D-161-42	Gale Banks Engineering <i>Sidewinder Turbocharger</i>	12/19/1994	-	1992-1993 non-turbocharged AM General Humvee heavy-duty trucks equipped with a 6.2L heavy-duty diesel engine.	Kit includes new intake and exhaust manifolds, PCV vent hose relocated, fuel rate increase.
D-161-47	Gale Banks Engineering <i>Stinger-Plus Engine Package</i>	01/06/1998	-	1994-1997 Ford trucks equipped with the 7.3L direct injection turbo diesel engines.	It includes the following main components: The 1.15 A/R stock turbine housing is replaced with a 1.0 A/R turbine housing, the air filter element is replaced with a K & N style air filter retaining the stock air filter housing, factory turbine outlet pipe is replaced with a 3" diameter turbine outlet pipe manufactured out of 17 gage stainless steel, stock tailpipe is replaced with a 3.5" modified tailpipe, the ECM is modified with a engine calibration module.
D-161-48	Gale Banks Engineering <i>PowerPack Engine Package</i>	01/06/1998	-	1994-1997 Ford trucks equipped with the 7.3L direct injection turbo diesel engine.	It includes the following main components: The 1.15 A/R stock turbine housing is a replaced with a 1.0 A/R turbine housing, intercooler, the air filter element is replaced with a K & N style air filter retaining the stock air filter housing, factory turbine outlet pipe is replaced with a 3" diameter turbine outlet pipe manufactured out of 17 gage stainless steel, stock tailpipe is replaced with a 3.5" modified tailpipe, the ECM is modified with a engine calibration module.
D-171-5	Advanced Turbo Systems, Inc. <i>Turbocharger Kit</i>	03/07/1991	ATS 6.9L/7.3L	1983-1987 Ford heavy-duty vehicles powered by a 6.9L Navistar Intl. heavy-duty diesel engine 1988-1991 Ford heavy-duty vehicles powered by a 7.3L Navistar Intl. heavy-duty diesel engine	Replacement air cleaner, exhaust system, and crankcase depression regulator
D-171-6	Advanced Turbo Systems, Inc. <i>Turbocharger Kit</i>	03/22/1993	7.3L	1988-1992 Ford vehicles powered by a 7.3L Navistar International heavy duty diesel-engine.	Replacement exhaust system and crankcase depression regulator
D-171-7	Advanced Turbo Systems, Inc. <i>6.9/7.3L Ford Diesel Turbocharger</i>	06/08/1993	-	1993 and older Ford vehicles powered by Navistar Intl. 6.9L/ 7.3L heavy-duty diesel engine.	New air cleaner. Exhaust system terminates in 3 inch OD collector. PCV breather connection relocated.

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D-171-9	Advanced Turbo Systems, Inc. <i>ATS Wastegated Turbine Housing</i>	11/04/1997	-	1994- 1997 Ford pickup vehicles equipped with 7.3L Navistar International Powerstroke heavy-duty diesel engines	
D-175	Hypermax Engineering, Inc. <i>Turbocharger System</i>	11/16/1987	-	1983-1987 Ford heavy-duty vehicles powered by a 6.9L Navistar Intl. heavy-duty diesel engine	New 3 inch exhaust system
D-175-7	Hypermax Engineering, Inc. <i>Turbocharger Kit</i>	08/10/1993	-	1991 and older Ford vehicles powered by 6.9L or 7.3L Navistar International heavy-duty diesel engine. E.O. valid for kits with turbochargers: AiResearch models: 465124-5007 w/ area ratio of 1.00, 465124-5006 w/ area ratio of 1.15	Replacement of OEM exhaust system with a 3 1/2" diameter exhaust system
D-175-8	Hypermax Engineering, Inc. <i>Turbocharger Kit</i>	08/10/1993	-	1992-1993 model year Ford heavy duty vehicles powered by a 7.3L Navistar International heavy-duty diesel engine.	
D-176	Dinan Engineering, Inc. <i>Turbocharger/Intercooler</i>	01/06/1988	35-567-9	1985-1987 BMW 535i, 635i, 735i, and 1988 BMW 535i	A fuel injection computer P/N 35-567-750 is added to the OEM computer. The O2 sensor is moved from the catalytic converter to the exhaust manifold. The OEM fuel pressure regulator is replaced by P/N 0260 150 226-5
D-176-4	Dinan Performance Engineering <i>Stage 1 Turbocharger Kit</i>	08/17/1992	-	1989-1992 BMW 535i 1988-1989 BMW 635Csi and L6 1988-1992 BMW 735i and 735iL	Longer PCV tubing, replace air cleaner assembly, relocate oxygen sensor from catalytic converter to exhaust manifold, and replacement with BMW 8:1 compression ratio pistons
D-180-7	The Turbo Shop, Inc. <i>Turbocharger Kit</i>	04/22/1991	6.9L/7.3L	1983-1987 Ford vehicles powered by a 6.9L Navistar Intl. heavy-duty diesel engine 1988-1991 Ford vehicles powered by a 7.3L Navistar Intl. heavy-duty diesel engine	Replacement exhaust system and air cleaner. PCV relocated.
D-180-11	The Turbo Shop, Inc. <i>Turbocharger Kit</i>	07/02/1991	60-0002/4 HD	1983-1991 GMC vehicles powered by a 6.2L, GMC heavy-duty diesel engine	
D-180-17	The Turbo Shop, Inc. <i>Turbocharger Kit</i>	10/21/1992	6.9L/7.3L	1988-1993 Ford vehicles powered by a 7.3L Navistar International heavy duty diesel engine	Replacement exhaust system and air cleaner. PCV relocated.
D-186-11	HKS USA, Inc. <i>HKS Sport Turbo Upgrade System</i>	10/01/1993	6045EC-11026L	1987-1992 Toyota Supra Turbo 3.0L	

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D-186-11	HKS USA, Inc. <i>HKS Sport Turbo Upgrade System</i>	10/01/1993	6045EC-11328P	1991-1993 Toyota MR2 Turbo 2.0L	
	HKS USA, Inc. <i>HKS Sport Turbo Upgrade System</i>	10/01/1993	6045EC-24751P	1990-1993 Nissan 300 ZX Turbo 3.0L	
	HKS USA, Inc. <i>HKS Sport Turbo Upgrade System</i>	10/01/1993	6045EC-47373N	1989-1993 Mitsubishi Turbo Eclipse/ Eagle Talon/ Eagle Talon Turbo/ Plymouth Laser/ Plymouth Laser Turbo 2.0L	
	HKS USA, Inc. <i>HKS Sport Turbo Upgrade System</i>	10/01/1993	6045EC-47573P	1991-1992 Mitsubishi Galant VR4 turbo 2.0L	
	HKS USA, Inc. <i>HKS Sport Turbo Upgrade System</i>	10/01/1993	6045EC-47674P	1991-1993 Mitsubishi 3000 GT VR-4 3.0L 1991-1993 Dodge stealth R/T Turbo 3.0L	
D-186-15	HKS USA, Inc. <i>HKS Sport Turbo Upgrade</i>	06/15/1994	6045EC-11026L	1987-1992 Toyota Supra Turbo 3.0L	
	HKS USA, Inc. <i>HKS Sport Turbo Upgrade</i>	06/15/1994	6045EC-11328P	1991-1994 Toyota MR2 Turbo 2.0L	
	HKS USA, Inc. <i>HKS Sport Turbo Upgrade</i>	06/15/1994	6045EC-24751P	1990-1994 Nissan 300 ZX Turbo 3.0L	
	HKS USA, Inc. <i>HKS Sport Turbo Upgrade</i>	06/15/1994	6045EC-47373N	1989-1994 Mitsubishi Eclipse Turbo 2.0L 1989-1994 Eagle Talon Turbo 2.0L 1989-1994 Plymouth Laser Turbo 2.0L	
	HKS USA, Inc. <i>HKS Sport Turbo Upgrade</i>	06/15/1994	6045EC-47573P	1991-1992 Mitsubishi Galant VR4 Turbo 2.0L	
	HKS USA, Inc. <i>HKS Sport Turbo Upgrade</i>	06/15/1994	6045EC-47674P	1991-1993 Dodge Stealth R/T Turbo 3.0L 1991-1993 Mitsubishi 3000 GT VR-4 3.0L	
D-285	Brodie Brittain Racing <i>Miata MX-5 Turbo Kit</i>	10/20/1992	-	1990-1993 Mazda Miata with 1.6L gasoline engines	Kit includes exhaust manifold, turbocharger with wastegate, intercooler, auxiliary ECU, octane switch, and replacement oil pan.
D-304-1	Applied Technologies & <i>Stage IIIA Turbocharger Upgrade</i>	10/25/1993	HP142-B	1986-1987 model-year Buick Grand National, Regal Turbo, GNX passenger cars 1989 Pontiac Turbo Trans Am passenger cars	

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D-316	New Dimensions, Inc. <i>Stage I and Stage II Turbocharger</i>	04/13/1993	-	1985-1987 VW Golf GTI and Jetta GLI	Kit includes turbocharger, boost gage, exhaust manifold, exhaust muffler, intercooler, fuel injector, and micro fueler.
D-349	Bell Engineering Group, Inc. <i>IHI & Aerodyne Turbocharger Kits</i>	01/24/1994	-	1990-1993 Mazda Miatas with 1.6L gasoline engines	Kit includes fuel pump, pressure regulator, replacement air cleaner, exhaust manifold, and intercooler. PCV breather hose is relocated. Check valve placed between purge control solenoid and inlet manifold. See EO for further details.
D-360	Advanced Motorsport Solutions, <i>Advanced Turbo System</i>	04/27/1994	-	1987 -1992 1.8 & 2.0 liter 16 valve Volkswagon Golfs, Jettas, & Passats.	
D-386	Airesource Technologies, Inc. <i>Replacement Turbocharger</i>	04/10/1996	C855	1979 and older model-year Cummins 855 c.i., 6-cylinder, turbocharged and aftercooled, diesel powered engines.	
D-397	Greddy Performance Products, <i>Mazda Miata Turbo Kit</i>	04/02/1996	-	1990 - 1993 1.6L Mazda Miata EXCEPT those equipped with ABS.	
D-397-1	Greddy Performance Products, <i>Honda Civic Turbo Kit</i>	11/04/1996		1992-1995 1.6L Honda Civic's EXCEPT del Sol models	
D-397-3	Greddy Performance Products, <i>Mitsubishi Eclipse Turbo Kit</i>	11/05/1997	-	1995-1997 Mitsubishi Eclipse equipped with a 2.0L engine and a turbocharger	
D-440	Mechtech Motorsports, Inc. <i>5 PSI. Turbo System</i>	11/06/1997	-	1996-1997 BMW vehicles equipped with a 6 cylinder engine	It includes the following main components: Aerodyne turbocharger, model no MT6000, cast iron exhaust manifold with oxygen sensor at collector, new connectring pipes, fuel pressure regulator located on the fuel return line, intercooler, replaement air inlet box using a K & N style filter, check valves placed in crankcase breather hoses, and all necessary hardware and tubing for installion. Manufacturer recommends 92 or higher octane fuel. The turbocharger does not require any auxiliary oil or water lines for lubrication or cooling.

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D-440-1	Mechtech Motorsports, Inc. <i>5 PSI. Turbo System</i>	12/10/1997	-	1993-1998 BMW vehicles equipped with a 6 cylinder engine	It includes the following main components: Aerodyne turbocharger, model no MT6000, cast iron exhaust manifold with oxygen sensor at collector, new connecting pipes, fuel pressure regulator located on the fuel return line, intercooler, replacement air inlet box using a K & N style filter, check valves placed in crankcase breather hoses, and all necessary hardware and tubing for installation. Manufacturer recommends 92 or higher octane fuel. The turbocharger does not require any auxiliary oil or water lines for lubrication or cooling.